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United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Tuesday, October 11, 2005
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Subject: Pine View Plating
4529 New Cumberland Rd NW, Mineral City, OH
Latitude: 40.3819
Longitude: -81.3169

POLREP No.:	2	**Site #:**	B5CQ
Reporting Period:		**D.O. #:**	T.O. 51 w/EQM
Start Date:	9/12/2005	**Response Authority:**	CERCLA
Mob Date:	9/12/2005	**Response Type:**	Emergency
Completion Date:	10/5/2005	**NPL Status:**	Non NPL
CERCLIS ID #:	OHN000509988	**Incident Category:**	Removal Action
RCRIS ID #:		**Contract #**	

Site Description

The Pine View Plating site is small single-story private operation located at 4529 New Cumberland Rd NW, Mineral City, Ohio. The plating operations were located behind a residential home on several acres of the owner□s property. The Pine View Plating Company started in 1987 with the main business consisting of grinding, repairing, and chome-plating hydraulic cylinders and rods. As the company grew, the owner expanded the operation to include additional industrial chrome plating operations such as automotive hydraulic parts (telescopic cylinders). In 1992 and 1997, the facility was upgraded with additional chromic acid tanks and a scrubber system. The plating operation was a one-man operation that was used intermittently based market demand. The business was stagnant for several years until recently when the owner saw a new opportunity to re-start his operations. A fire destroyed the plating shop on July 17, 2005. The cause of the fire is suspected to be a spark that slowly ignited oil soaked metal savings near a metal lathe that the owner probably thinks he generated while welding that evening.

See POLREP #1 for additional information.

Current Activities
The following removal activities were completed for the reporting period 9/22/05 through 9/28/05:

On September 22, 2005, remaining sludge from the western deep tank was removed and solidified with agricultural lime prior to being transferred into a roll-off box for final disposal. The western deep tank was removed and staged as clean scrap metal. The concrete pad was cut with a saw to delineate between contaminated and non-contaminated concrete. An excavator was used to demolish the visually contaminated concrete. A roll-off box of non-hazardous debris was transported to Countywide RDF located in East Sparta, Ohio for disposal.

On September 23 and 24, 2004, demolition of visually contaminated concrete was completed. Contaminated concrete was placed into roll-off boxes for future disposal. ERRS began to decontaminate equipment no longer needed on site.

On September 26, 2005, site work was minimal due to heavy rain. Two hazardous roll-off boxes of chromium debris were transported to Envirite for disposal.

Between September 27 and September 30, 2005, chrome contaminated soil was excavated from around the concrete pad. A field portable x-ray fluorescence (XRF) analyzer was used to guide the excavation. Excavation of soil extended no greater than 1.5 feet unless heavily contaminated. Clean soil from an on-site source was used to backfill excavated areas. START collected 10 confirmation soil samples from around the concrete pad and south down to the pond. Samples were sent Severn Trent Laboratories in North Canton for heavy metal analysis.

Between October 3 and October 5, 2005, backfilling, grading, and seeding of excavated areas were completed. Erosion control matting was placed in the excavation areas. The two 1,500 gal poly tanks used to store chromic acid were cut and placed in a hazardous debris box. Thirteen roll-off boxes of non-hazardous/non-regulated soil were transported to Countywide RDF located in East Sparta for disposal; one hazardous roll-off box of chromium debris was transported to Envirite for disposal; and approximately 2,000 gallons of chromium contaminated water was transported to Vickery Environmental for disposal. All personnel and equipment were demobilized from site.

Planned Removal Actions
All on-site removal activities are complete.

Next Steps
U.S EPA will finalize administrative and financial documents. U.S. EPA will generate an emergency removal Action Memorandum.

Key Issues
During the soil excavation process, residential, chromium preliminary remediation goals (PRGs) established by Region 9 and chromium screening levels established by Region 6

were consulted. Action levels were the same for total chromium (1/6 ratio CrVI to CrIII)- 210ppm, chromium VI- 30ppm and chromium III- 10,0000ppm.

Dozens of XRF readings were recorded before, during and after excavation. Ten confirmation soil samples were collected after excavation and analyzed by a commercial laboratory. Total chromium results ranged from 48ppm to 707ppm with an average of 222ppm. Three samples exceeded 210ppm (301, 327 and 707ppm). CrVI was analyzed for these three samples and two were below 30ppm (7.0 and 23ppm). Sample FC-7, with a total Cr concentration of 707ppm, recorded CrVI at 63ppm.

FC-7 was collected from the SW corner of the former concrete pad. This area was excavated to approx. 1.5-feet and backfilled with clay.

It can be assumed from two rounds of laboratory analysis that any remaining levels of CrVI is being converted to CrIII due to environmental conditions. Five samples were analyzed for total chromium and hexavalent chromium for comparison.

Field XRF results from around the sump area (excavated at the time of the fire) detected total chromium below 210ppm.

Soil samples analyzed by the laboratory were also prepared and screened using the XRF analyzer. Results were found to be favorably comparable.

For further information, please see XRF results, laboratory results and associated sampling maps.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	$150,000.00	$113,500.00	$36,500.00	24.33%
RST/START	$15,000.00	$10,000.00	$5,000.00	33.33%
Intramural Costs				
Total Site Costs	$165,000.00	$123,500.00	$41,500.00	25.15%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
Non-hazardous Debris	38 tons (3 loads)		Republic, Countywide RDF East Sparta, Ohio
RQ, Waste Chromic Acid Solution	5,627 gallons (2 loads)		Vickery Environmental Vickery, Ohio
RQ, Hazardous Waste, Solids (Hazardous Debris)	136 yd3 (7 loads)		Envirite of Ohio Canton, Ohio
RQ, Hazardous Waste, Sludge	14 tons		Envirite of Ohio Canton, Ohio
Non Hazardous contaminated soil and debris	161 tons (13 loads)		Republic, Countywide RDF East Sparta, Ohio

www.epaosc.net/PineViewPlating